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National Environmental/Energy Workforce Assessment. Water/Wastewater Programs

National Field Research Center, Inc, Iowa City, IA

Prepared for

Environmental Protection Agency, Washington, DC Office of Research and Development

Aug 79

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August 1979

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NATIONAL
ENVIRONMENTAL/ENERGY
WORKFORCE ASSESSMENT
PHASE III

WATER-WASTE-WATER PROGRAMS

1979

Conducted by:
NATIONAL FIELD RESEARCH CENTER, INC.

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16. ABSTRACT

This directory, one of 18 volumes in Phase III of the National Environmental/Energy Workforce Assessment, provides information on post-secondary environmental education programs in the United States. Structured around information requests mailed to post-secondary education institutions, the directory provides the name and address of each institution listed, a contact person at each institution, the academic program title, and the degree offered at the institution (2-year, 4-year, etc.).

Phase III includes twelve such directories of post-secondary programs: One each for air, noise, pesticides & toxicology, potable water, wastewater, radiation, solid waste, and energy; one for combined water/wastewater programs; and a composite volume on each of the three areas of environmental engineering/technology, environmental science/health, and environmental studies. In addition, Phase III includes the following six volumes: Environmental Employment in Public Service Jobs Programs -- An Analysis of CETA Title VI FY 78 Projects; Salaries & Attendant Problems of Public Sector Environmental Employment; The Role of CETA in Direct Training and Employment; Private Sector Training Activities; Problems in Environmental Education & Training; and the Workforce Planning Bibliography.

Phase I of the Assessment evaluated workforce needs for pollution control and abatement in the U.S. during 1976-81. Phase II gathered data on training and educational programs in the post-secondary environmental education field as of 1978.

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Manpower	Education		
Environmental Engineering	Ecology		
Environmental Health	Labor Force		
Environmental Education	Employment		
Environmental Protection	Environmental Sciences		
Pollution Control	Environment		

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Conducted by:

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Under Grant from:

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INTRODUCTORY NOTE

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The volumes of post-secondary environmental and energy programs were developed under the auspices and guidance of the U.S. Environmental Protection Agency, by the National Field Research Center, Inc. as part of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, PHASE III. Sincere appreciation is extended to the many individuals and institutions who assisted in the identification and description of the programs, thus generously contributing to the success of this national project. Of particular importance are those individuals identified as contact persons in the program entries.

A special word of appreciation is extended to Mr. J. Donald Cook, Chief, Workforce Coordination Team, U.S. Environmental Protection Agency, Washington, D.C., and to the Manpower Officers and Workforce Coordinators from each of the U.S. Environmental Protection Agency Regional Offices.

PREFACE

This volume includes all identified post-secondary education and/or training programs which have been selected as pertinent to one media-specific area (i.e., air, wastewater, etc.). For ease of handling, the programs are presented in alphabetical order according to the name of the institution. The Appendix, however, presents a listing of the institutions by state, with reference to page numbers.

This portion of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, Phase III, was conducted for the U.S. Environmental Protection Agency, by the National Field Research Center, Inc. with offices located in Iowa City, Iowa; Atlanta, Georgia; Denver, Colorado; and Washington, D.C.

FOREWORD

Information for this portion of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, Phase III, was compiled through extensive review of catalogues from post-secondary education institutions listed in Post-Secondary Education, Education Directory, Colleges & Universities, 1976-77. All program entries were sent to the institutions for review and correction. In most cases, the program entries were returned after being reviewed. Those entries which were not returned have been indicated by an asterisk in front of the program title.

This twelve-volume report contains program entries from junior colleges, vocational/technical training institutes, community colleges, four-year colleges, and universities, as well as other training institutions. Programs are representative of all levels, from academic certification through doctoral degrees. The environmental pollution control areas of air, noise, pesticides, potable water, radiation, solid waste, wastewater and energy were surveyed. In addition, some programs which were not readily categorized

into media-specific areas (i.e., radiation, air, etc.) or which represented multiple media areas in curricula content, have been presented under the title of composite.

Readers are advised that material from the Acknowledgement through the Project Methodology is identical in all twelve program volumes. The reason for such duplication rests with the division of volumes into media specific areas, which increases probability that individuals will only read a given volume of special interest.

Readers are further advised that the purpose of these volumes is to point the direction for further information. Courses, programs and individuals are all subject to change over a given period of time. The inclusion of a specific program does not assure that the program is conducted every year nor does it assure that graduates meet specialized occupational requirements. Readers with specific questions should correspond directly with contact persons.

PROJECT BACKGROUND

The NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, conducted by the National Field Research Center under the direction of the U.S. Environmental Protection Agency, is an effort to meet the national concern for the preservation and conservation of our country's resources. The project was developed as a multi-phase direct inquiry into the availability and readiness of our environmental workforce.

In keeping with the objective of the assessment, this national effort was directed at environmental/energy workforce requirements, national environmental education preparedness, and the functional relationship between the two.

Phase I of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT focused upon the development of "workforce demand projections" through 1982 for all public environmental agencies. This on-site assessment, which was carried out in all 50 states, Puerto Rico and the Virgin Islands, culminated in a numerical profile of the growth patterns and workforce needs at national and state levels. Stratification of the overall definition of "environmental occupation" into seven

distinct vocational areas enhanced even further the applicability of the results. In addition to this public sector workforce assessment, Phase I included an overview analysis of private sector needs and a brief review of selected environmental educational programs.

Phase II of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT was structured around an intensive on-site inventory of representative environmental educational offerings on a national scale. The primary objective of this portion of the project was to collect and aggregate data on training and educational programs in both the post-secondary education field and in the private sector and to do so by environmental area. Specifically, the study was designed to provide an overview of environmentally related post-secondary education programs, their program structures, representative course offerings, employment history of the graduates, and the faculty structures. Additionally, information was collected on program requirements and program projections regarding faculty and students.

Phase III of the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT was completed in mid-1979. In an effort to draw together the relationship between Phase I and Phase II

of the project, several major areas were selected and monographs developed. In an effort to assist Federal and State planners, an environmental/energy manpower bibliography was developed and annotated. A final portion of the Phase III involved the identification of all environmental/energy post-secondary education programs as compared to the Phase I and Phase II which presented representative programs. This compendium of post-secondary environmental/energy programs was presented in media-specific volumes (i.e., Air, Potable Water, Solid Waste, etc.). While more extensive research may be advisable, it is anticipated that the NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT in its entirety represents the most comprehensive research effort to date regarding environmental/energy workforce requirements and the educational community's ability to meet these needs.

PROJECT METHODOLOGY

The NATIONAL ENVIRONMENTAL/ENERGY WORKFORCE ASSESSMENT, Phase III, includes several components, one of which is made up of the directories of post-secondary environmental/ energy programs. Utilizing the Post-Secondary Education, Education Directory, Colleges and Universities, 1976-77, requests were made of the 3,075 institutions and in addition any new institutions which could be identified. All environmental programs were categorized according to media areas, i.e., air, water, radiation, etc. The program entry information was sent to the contact person for corrections, deletions and general review. The contact persons were requested to return the reviewed information to project personnel. In the majority of cases, the information was returned by the institutions. Those program entries which were not returned have been indicated with an asterisk in front of the program title.

In total, 1,359 programs are presented in these volumes. All 50 states, the District of Columbia, Puerto Rico and the Virgin Islands are represented in the program entries. The introductions of each

volume present the details of selection criteria, geographic location, etc., of the programs presented in that specific environmental area.

The directories have been prepared by media specific area. The volumes which make up this portion of the project are:

* AIR
* NOISE
* PESTICIDES & TOXICOLOGY
* POTABLE WATER
* WASTEWATER
* WATER/WASTEWATER
* RADIATION
* SOLID WASTE
* ENERGY
* COMPOSITE: Environmental Engineering/Technology
* COMPOSITE: Environmental Science/Health
* COMPOSITE: Environmental Studies

INTRODUCTION

This volume of post-secondary education/training entries presents those programs which are classified as intersecting both environmental areas of potable water and wastewater. Programs categorized as applicable to either potable water or to wastewater, solely, will be found in those individual volumes of this report.

This volume includes 183 water/wastewater programs which represent 46 states and one territory. In order for the program to have been included in this directory, the catalogue description must have listed at least three water and/or wastewater courses necessary for program completion.

Overall, 99 programs (54%) are currently being conducted at four-year institutions offering at least bachelor level degrees. The remaining 84 programs (46%) included herein, are presently administered through two-year institutions. Table I illustrates the number and diversity of degree level offerings in this environmental media area.

In addition, the table illustrates that 50% of the programs are currently being conducted at the bachelor and/or graduate level. Table I also indicates that 13% of the programs are at the certifi-

cate level, while 25% are two year associate degree level programs.

TABLE I

WATER/WASTEWATER PROGRAMS

Number and Types of Degrees

Degree Level	No. of Programs	% of Total
Certificate	24	13.1%
Certificate; One-Year	1	0.6%
Certificate; Two-Year	5	3.3%
One-Year	4	2.7%
One-Year; Two-Year	2	1.1%
Two-Year	46	25.1%
Four-Year	17	9.3%
Four-Year; Graduate	52	28.4%
Graduate	29	15.8%
N/A	1	0.6%
TOTAL	183	100%

Geographically, 70 or 38%, the largest percentage of these programs, are being administered through 17 northeastern states, while 16 or 9% of

the programs represent four northwestern states. In total, however, 53% of the program entries represent the southern portion of the United States; 48 programs (26%) are being conducted in 12 southeastern states, while 51 programs (27%) are on-going in 10 southwestern states.

Of the 183 total water/wastewater programs which were sent to the institutions for review and corrections, 85% were returned to project personnel. The remaining 15% which were not returned are indicated by the addition of an asterisk in front of the program title.

The water/wastewater program entries are presented, in the following section, in alphabetical order according to the institution name. Institutions which offer water/wastewater programs are listed by state location in the Appendix.

PROGRAMS, ALPHABETIZED BY INSTITUTION

ARIZONA STATE UNIVERSITY

Tempe, Arizona 85281

Catalog Year
1975-77

contact person:
Dr. Louis A. Hill
Chairperson
(602) 965-9011

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

BAY DE NOC COMMUNITY COLLEGE

Escanaba, Michigan 49829

Catalog Year
1976-77

contact person:
Mr. Arne Anderson, Dean
Vocational-Technical Education
(906) 786-5802

program title: **Water & Wastewater Control & Purification Technology**
department: **Vocational-Technical Education**
degree: **2 year**

BRIGHAM YOUNG UNIVERSITY

Provo, Utah 84602

Catalog Year
1977-78

contact person:
Dr. LaVere B. Merritt, Associate Professor
Civil Engineering
(801) 374-1211

program title: **Civil Engineering**
emphasis: **Water resources and environmental engineering**
department: **Civil Engineering**
degree: **Graduate**

BRISTOL COMMUNITY COLLEGE

Fall River, Massachusetts 02720

Catalog Year
1975-77

contact person:
Dr. Anthony F. Mercurio
Divisional Chairperson [redacted] & Business
(617) 678-2811

program title: **Environmental Management**
emphasis: **Water Pollution Control and Wastewater Treatment**
department: **Engineering**
degree: **2 year**

BUTTE COMMUNITY COLLEGE

Pentz and Clark Roads, Route 1
Box 183A
Oroville, California 95965

Catalog Year
1978-79

contact person:
Mr. Raymond D. Carroza
Chairperson
(916) 895-2451

program title: **Water Pollution and Treatment Technology**
department: **Mathematics, Technology and Telecommunications**
degree: **Certificate**
comments: **Program is three quarters in duration, leading to a Certificate of Proficiency.**

CALIFORNIA STATE UNIVERSITY, FRESNO

Fresno, California 93740

Catalog Year
1977-78

contact person:
Dr. James Matheny, Dean
School of Engineering
(209) 487-9011

* program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

CALIFORNIA STATE UNIVERSITY AT FULLERTON

Fullerton, California 92634

Catalog Year
1976-77

contact person:
Dr. Richard Brock
Chairperson
(714) 870-2261

program title: **Civil Engineering**
department: **Civil Engineering Mechanics**
degree: **4 year**
Graduate

comments: **An M.S. program in Civil Engineering in the area of Hydraulics and Hydrology is also offered.**

CALIFORNIA STATE UNIVERSITY AT SACRAMENTO

6000 J Street
Sacramento, California 95819

Catalog Year
1977-78

contact person:
Dr. Ajit S. Virdee
Department Chairperson
(916) 454-6011

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

CARNEGIE-MELLON UNIVERSITY
CARNEGIE INSTITUTE OF TECHNOLOGY

Carnegie Institute of Technology
Pittsburgh, Pennsylvania 15213

Catalog Year
1977-79

contact person:
Dr. Francis C. McMichael
Head and Professor of Civil Engineering
(412) 578-2940

program title: **Environmental Engineering**
emphasis: **Water and Wastewater Treatment and Management; Air pollution analysis and control**
department: **Civil Engineering**
degree: **Graduate**

CASPER COLLEGE

125 College Drive
Casper, Wyoming 82601

Catalog Year
1977

contact person:
Dr. Gail D. Zimmerman
Professor
(307) 268-2212

program title: **Environmental Health**
department: **Division of Life Sciences**
degree: **2 year**
comments: **Water Quality Technology Option**

CENTRAL NEW ENGLAND COLLEGE

768 Main Street
Worcester, Massachusetts 01608

Catalog Year
1976-777

contact person:
Mr. Michael K. Kudravetz, Associate Dean
Engineering; Professor of Electrical Engineering
(617) 755-4314

* program title: Program in Engineering; Civil Engineering Major
emphasis: Water, Wastewater
department: Engineering
degree: 2 year

CENTRAL TECHNICAL COMMUNITY COLLEGE

Box 1024
Hastings, Nebraska 68901

Catalog Year
1977-78

contact person:
Mr. Dean Blaha, Chairperson
Agriculture/Environmental Technology Division
(402) 463-9811

program title: Environmental Technology
department: Environmental Technology
degree: 1 year
2 year

CITRUS COLLEGE

18824 East Foothill Blvd.
Azusa, California 91702

Catalog Year
1977-78

contact person:
Dr. Barton L. Bartel
Department Head
(213) 335-0521

program title: **Water Treatment**
department: **Public Services**
degree: **Certificate**

CITY UNIVERSITY OF NEW YORK, CITY COLLEGE

Convent Ave. at 138th St.
New York, New York 10031

Catalog Year
1975-76

contact person:
Dr. Richard Marsten, Dean
Engineering
(212) 621-2541

* program title: **Civil Engineering**
emphasis: **Water resources, Water quality, Wastewater**
department: **Evening Division, School of General Studies, Civil Engineering**
degree: **4 year**
comments: **Courses: Water resources, Water & Wastewater Treatment Processing**

CITY UNIVERSITY OF NEW YORK, CITY COLLEGE

Convent Ave. at 138th St.
New York, New York 10031

Catalog Year
1975-76

contact person:
Dr. Richard Marsten, Dean
Engineering
(212) 621-2541

* program title: **Water Resources and Sanitary Engineering**
emphasis: **Water and Wastewater Engineering**
department: **Civil Engineering**
degree: **4 year**
comments: **Water & Wastewater Treatment processes, Sanitary Engineering**

CLEMSON UNIVERSITY

Clemson, South Carolina 29631

Catalog Year
1977-78

contact person:
Dr. Thomas M. Keinath, Professor
Head of Environmental Systems Engineering
(803) 656-3276

program title: **Planning and Management**
emphasis: **Water Resources Development**
department: **Environmental Systems Engineering**
degree: **Graduate**

CLEMSON UNIVERSITY

Clemson, South Carolina 29631 Catalog Year
1977-78

contact person:
Dr. Thomas M. Keinath, Professor
Head of Environmental Systems Engineering
(803) 656-3276

program title: **Water Treatment Systems**
department: **Environmental Systems Engineering**
degree: **Graduate**

CLEMSON UNIVERSITY

Clemson, South Carolina 29631 Catalog Year
1977-78

contact person:
Dr. A. W. Low
Program Coordinator
(803) 656-3311

program title: **Water Resources Engineering**
department: **Civil Engineering**
degree: **Graduate**
comments: **Areas of concentration are water resources planning and management, surface water systems, ocean and coastal resources, and water-soil transport systems.**

COLLEGE OF THE CANYONS

26455 North Rockewell Canyon Rd.
Valencia, California 91355

Catalog Year
1977-78

contact person:
Dr. Steven A. Cerra, Dean
Instruction Academic Education;
Acting Dean Occupational Education
(805) 259-7800

program title: **Environmental Control**
department: **Environmental Control**
degree: **Certificate**

COLLEGE OF LAKE COUNTY

19351 West Washington Street
Grayslake, Illinois 60030

Catalog Year
1978-79

contact person:
Mr. John Shelton, Division Chairperson
Engineering, Mathematics, Physical sciences.
(312) 223-6601 ext. 292

program title: **Water - Wastewater**
emphasis: **Water Supply, Wastewater Treatment**
department: **Construction Technologies**
degree: **1 year**

COLLEGE OF THE VIRGIN ISLANDS

St. Thomas Campus
St. Thomas, U.S. Virgin Islands 00801

Catalog Year
1976-78

contact person:
Dr. Roger W. Peebles, Director
Water Resources Research Center
(809) 774-1252

program title: **Marine and Environmental Science**
emphasis: **Applied Oceanography, Biology and Marine Geology, Marine Instrumentation, Advanced topics in Marine**
department: **Science and Mathematics Division Water Resources Research Center, Carribean Research Institute**
degree: **4 year**

COLORADO STATE UNIVERSITY

Fort Collins, Colorado 80523

Catalog Year
1977-78

contact person:
Dr. J. W. Fead
Department Head
(303) 491-1101

program title: **Civil Engineering**
emphasis: **Hydrology and Water Resources; water planning and management; sanitary planning and management**
department: **Civil Engineering**
degree: **4 year**
Graduate

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

Boyce Campus
595 Beatly Road
Monroeville, Pennsylvania 15146

Catalog Year
1975-77

contact person:
Dr. Wanda Thomas, Chairperson
Department of Engineering
(412) 327-1324

program title: **Environmental Technology**
emphasis: **Water and Wastewater Technician**
Natural and Physical Sciences,
Engineering and Mathematics Div.
department: **Environmental Technology**
degree: **2 year**

COMMUNITY COLLEGE OF DENVER

12600 West 6th Avenue
Denver, Colorado 80201

Catalog Year
1977-78

contact person:
Mr. Jim Raughton, Director
Service Occupations, Red Rocks
(303) 892-3481

program title: **Wastewater Technology**
emphasis: **Wastewater treatment speciality;**
collection speciality; and distribution
speciality
department: **Division of Service Occupations**
degree: **2 year**

CONNORS STATE COLLEGE

Warner, Oklahoma 74469

Catalog Year
1976-77

contact person:
Dr. Jon Nabors, Chairperson
Social Science Division
(918) 463-2931

program title: **Water way law enforcement**
emphasis: **Enforcement of Criminal and Pollution codes on bodies of water**
department: **Criminal Justice**
degree: **2 year**

CONTRA COSTA COLLEGE

2600 Mission Bell Drive
San Pablo, California 94806

Catalog Year
1978-79

contact person:
Dr. Kenneth T. Jackson, Associate Director
Technical and Industrial Division
(415) 235-7800, Ext. 360

program title: **Pollution Control Technology**
emphasis: **Wastewater and clear water**
department: **Technical and Industrial Division**
degree: **Certificate**
2 year

THE COOPER UNION

New York, New York 10003 Catalog Year **1977-79**

contact person:
Dr. Chor-Weng Tan
Dean
(212) 254-6300

program title: **Civil Engineering**
emphasis: **Courses in Water Resources, Environmental and Sanitary Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate
comments: **Courses in air pollution control are also offered in the Environmental Engineering minor in the Mechanical Engineering Program.**

COUNTY COLLEGE OF MORRIS

Route 10 and Center Grove Road Catalog Year
Randolph Township, New Jersey 07801 **1977-78**

contact person:
Dr. Pat R. Pondy, Chairperson
Chemistry/Chemical Technology
(201) 361-5000

program title: **Chemical Technology(with Environment/ Biochemical Options)**
emphasis: **Water, Wastewater**
department: **Chemistry/Chemical Technology**
degree: **2 year**
comments: **Additional short courses (36 hours each) offered in: (1) Lab. Test Methods Potable Water (2) Lab. Test Methods Waste Water**

DELAWARE TECHNICAL AND COMMUNITY COLLEGE

Southern Campus
Box 610
Georgetown, Delaware 19947

Catalog Year
1977-79

contact person:
Dr. Bernard Luterneck
Instructor & Chairperson
(302) 856-5400

program title: **Civil Engineering Technology**
emphasis: **Surveying & Mapping**
department: **Civil Engineering Technology**
degree: **2 year**
comments: **Included in the curriculum are (1) Water Supply & Sewage Treatment, and (2) Fluid Mechanics.**

DELGADO COLLEGE

615 Park Avenue
New Orleans, Louisiana 70119

Catalog Year
1977-78

contact person:
Dr. Sushil K. Gilotra, Professor
Chairperson Environmental Health Technology
(504) 486-7393

program title: **Water and Wastewater Technology**
department: **Environmental Health Technology**
degree: **2 year**

EASTERN MAINE
VOCATIONAL TECHNICAL INSTITUTE

354 Hogan Road
Bangor, Maine 04401

Catalog Year
1977-78

contact person:
Mr. Donald Weston, Head
Environmental Control Technology
(207) 942-5217

program title: **Environmental Control Technology**
emphasis: **Water and Wastewater Treatment**
department: **Environmental Control Technology**
degree: **2 year**

EDISON COMMUNITY COLLEGE

College Parkway
Fort Myers, Florida 33901

Catalog Year
1978

contact person:
Mr. Lee E. Werst, Professor
Basic Science Division
(813) 481-4434 Ext. 258

program title: **Certified Water Plant Operators Course - A, B, C**
Certified Wastewater Plant Operators Course - A, B, C
department: **Continuing Education Division**
degree: **Certificate**

ERIE COUNTY COMMUNITY COLLEGE

North Campus
Main and Youngs Road
Williamsville, New York 14209

Catalog Year
1976-77

contact person:
Dr. Thomas B. Lembke, Coordinator
Professor of Chemical Technology
(716) 634-0800

program title: **Chemical Technology - Environmental Science Option**
emphasis: **Operate and control water and waste treatment plants, etc.**
department: **Chemical Technology**
degree: **2 year**

FLORENCE-DARLINGTON TECHNICAL COLLEGE

P.O. Drawer 8000
Florence, South Carolina 29501

Catalog Year
1974-75

contact person:
Mr. John W. Fanning, Chairperson
Engineering Technology Division
(803) 662-8151

program title: **Water and Wastewater Engineering Technology**
department: **Division of Engineering Technology**
degree: **2 year**

FLORIDA KEYS COMMUNITY COLLEGE

Stock Island
Key West, Florida 33040

Catalog Year
1978

contact person:
Mr. William Ceely
Director
(305) 296-9081

program title: **Continuing Education & Community Services**
emphasis: **Water and wastewater treatment**
department: **Resource Development & Planning**
degree: **Certificate**

FLORIDA TECHNOLOGICAL UNIVERSITY

Orlando, Florida 32816

Catalog Year
1978-79

contact person:
Dr. J. P. Hartman, Chairperson
Department of Engineering
(305) 275-2841

program title: **Environmental Engineering**
department: **Civil Engineering and Environmental Sciences**
degree: **Graduate**

FRESNO CITY COLLEGE

1101 East University Avenue
Fresno, California 93741

Catalog Year
1977-78

contact person:
Dr. Ray C. Cramer, Associate Dean
Mathematics, Science & Engineering
Instruction
(209) 442-4600

* program title: **Water Utility Science**
department: **Water Utility Science**
degree: **Certificate**

GEORGIA MILITARY COLLEGE

Milledgeville, Georgia 31061

Catalog Year
1975

contact person:
LTC. Robert K. Irvin
Academic Dean
(912) 453-4381

program title: **Environmental Health**
department: **Environmental Health**
degree: **2 year**

HARRISBURG AREA COMMUNITY COLLEGE

3300 Cameron St. Road
Harrisburg, Pennsylvania 17110

Catalog Year
1975-77

contact person:
Dr. J. Blaine Strong, Associate Professor
Civil Engineering
(717) 236-9533 Ext. 351

program title: **Water & Wastewater Treatment Technology**
emphasis: **Training for Pollution Control Plant Operator; Water Resources Technician; Laboratory Technician**
department: **Division of Mathematics, Physical Sciences and Engineering**
degree: **Certificate**
2 year

HARVARD UNIVERSITY

Boston, Massachusetts 02115

Catalog Year
1977-78

contact person:
Dr. Harold A. Thomas, Jr., Professor
Civil & Sanitary Engineering
(617) 495-1000

*program title: **Sanitary Engineering**
emphasis: **Courses offered in water quality**
department: **Sanitary Engineering**
degree: **Graduate**

HERKIMER COUNTY COMMUNITY COLLEGE

Reservoir Road
Herkimer, New York 13350

Catalog Year
1976-78

contact person:
Mr. Frank J. Menapace, Associate Professor
Biology, Chairperson, Mathematics
Science Division
(315) 866-0300

* program title: **Environmental Technology**
emphasis: **Water Pollution Control; Water Purification Plants; City, County & State Health Departments position**
department: **1 + 1 Program - Mathematics Science Division**
degree: **1 year**
comments: **Second year completed at Hudson Valley Community College which grants the degree.**

HILLSBOROUGH COMMUNITY COLLEGE

P.O. Box 22127
Tampa, Florida 33622 or

Catalog Year
1978-79

Plant City Campus
1206 N. Park Road
Plant City, Florida 33566

contact person:
Dr. Shirley W. Combee, Chairperson
Career Programs
(813) 879-7222 (Tampa)
(813) 754-1561 (Plant City)

program title: **Environmental Science**
department: **Environmental Science**
degree: **2 year**
comments: **Four options for specialization: Wastewater Plant Management, Wastewater Technology, Water Plant Management, and Water Technology.**

HILLSBOROUGH COMMUNITY COLLEGE

P.O. Box 22127
Tampa, Florida 33622 or

Catalog Year
1978-79

Plant City Campus
1206 N. Park Road
Plant City, Florida 33566

contact person:
Dr. Shirley W. Combee, Chairperson
Career Programs
(813) 879-7222 (Tampa)
(813) 754-1561 (Plant City)

program title: Wastewater and Water Plant Operators Training Programs
degree: Certificate

IDAHO STATE UNIVERSITY

Pocatello, Idaho 83209

Catalog Year
1977

contact person:
Dr. Jack L. Rucker
Director
(208) 236-3620

*program title: Environmental Technology
department: Vocational - Technical School
degree: Certificate

ILLINOIS INSTITUTE OF TECHNOLOGY

102 Alumni Memorial Hall
Chicago, Illinois 60616

Catalog Year
1977-78

contact person:
Dr. James W. Patterson, Chairperson
Pritzker Department of Environmental Engineering
(312) 567-3556

program title: **Environmental Engineering**
department: **Pritzker Department of Environmental Engineering**
degree: **4 year**
Graduate

INDIAN RIVER COMMUNITY COLLEGE

3209 Virginia Avenue
Fort Pierce, Florida 33450

Catalog Year
1978

contact person:
Dr. Terry Miller, Director
Municipal Services Division
(305) 464-2000

program title: **Environmental Health Sciences**
emphasis: **Options in Water in Wastewater**
department: **Municipal Services Division**
degree: **2 year**
comments: **The program is in the planning stages.**

INDIAN RIVER COMMUNITY COLLEGE

3209 Virginia Avenue
Fort Pierce, Florida 33450

Catalog Year
1978

contact person:
Dr. Terry Miller, Director
Municipal Services Division
(305) 464-2000

program title: Water and wastewater treatment
department Municipal Services Division
degree: Certificate

INDIANA VOCATIONAL TECHNICAL COLLEGE AT GARY

1440 East 35th Avenue
Gary, Indiana 46409

Catalog Year
1975-76

contact person:
Mr. George A. Kinias
Director
(219) 981-1111

program title: Pollution Treatment Technology
department: Environmental Training Coordination Center
degree: 2 year

IOWA STATE UNIVERSITY

496 Town Engineering Building
Ames, Iowa 50011

Catalog Year
1975-77

contact person:
Dr. E. Robert Baumann, Head
Sanitary Engineering
(515) 294-4975

program title: **Sanitary Engineering & Water Resources**
department: **Civil Engineering**
degree: **Graduate**
comments: **Has Water Resources Research Institute**

J. SARGEANT REYNOLDS COMMUNITY COLLEGE

Richmond, Virginia 23241

Catalog Year
1977-78

contact person:
Mr. Earl W. Cameron, Division Chairperson
Engineering and Engineering Technology
(804) 264-3225

program title: **Environmental Operations Program**
emphasis: **Specializations in Water and Wastewater**
department: **Division of Engineering & Engineering Technology**
degree: **Certificate**

KANSAS STATE UNIVERSITY

Seaton Hall
Manhattan, Kansas 66506

Catalog Year
1977-78

contact person:
Dr. Lawrence Schmid
Department of Civil Engineering
(913) 532-5862

program title: **Sanitary Engineering**
department: **Civil Engineering**
degree: **Graduate**

KIRKWOOD COMMUNITY COLLEGE

Linn Hall
Cedar Rapids, Iowa 52406

Catalog Year
1978

contact person:
Dr. Larry Willis
Career Education
(319) 398-5498

program title: **Water and Wastewater Technician**
department: **Environmental Studies and Pollution Control**
degree: **1 year**

KISHWAUKEE COLLEGE

P.O. Box 888
Malta, Illinois 60150

Catalog Year
1976-77

contact person:
Dr. Ernest Harfst, Chairperson
Division of Public Service Occupations
(815) 825-2086

program title: **Wastewater Technology**
emphasis **Potable Water & Wastewater**
department: **Career Education**
degree: **Certificate**

LAMAR UNIVERSITY

Beaumont, Texas 77710

Catalog Year
1977-78

contact person:
Dr. Luther A. Beale, Professor
Head of Department
(713) 838-7111

*program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**

LANE COMMUNITY COLLEGE

4000 East 30th Avenue
Eugene, Oregon 97405

Catalog Year
1977-78

contact person:
Dr. John W. Jacobs
Dr. Richard Null, Professors and Heads
Department of Science
(503) 747-4501

program title: **Environmental Technology**
department: **Science**
degree: **2 year**
comments: **The two year program will prepare a student for work as an Environmental Technician in water pollution control.**

LEHIGH UNIVERSITY

Fritz Lab., No. 13
Bethlehem, Pennsylvania 18015

Catalog Year
1977

contact person:
Dr. Robert L. Johnson, Director
Environmental Engineering Laboratory
(215) 691-7000 Ext. 660

program title: **Environmental Engineering**
emphasis: **Water Resources, Water Pollution Control, Water and Wastewater Treatment**
department: **Civil Engineering**
degree: **4 year**
Graduate

LINCOLN TRAILS COMMUNITY COLLEGE

Route 3
Robinson, Illinois 62454

Catalog Year
1977-79

contact person:
Dr. Lewis E. Aukes
Dean of Instruction
(618) 544-8657

*program title: **Wastewater/Water Treatment**
department: **Vocational-Technical Education Programs**
degree: **2 year**

LINN-BENTON COMMUNITY COLLEGE

6500 S.W. Pacific Blvd.
Albany, Oregon 97321

Catalog Year
1977-78

contact person:
Dr. Peter Scott, Director
Science & Technology
(503) 928-2361

program title: **Water/Wastewater Technology**
department: **Science & Technology Division**
degree: **2 year**
comments: **Graduates will be employable in either the water treatment field or the wastewater treatment field at the technician level.**

LINN-BENTON COMMUNITY COLLEGE

6500 S.W. Pacific Blvd.
Albany, Oregon 97321

Catalog Year
1977-78

contact person:
Dr. Peter Scott, Director
Science & Technology
(503) 928-2361

program title: **Water/Wastewater Plant Operator**
department: **Science & Technology Division**
degree: **Certificate**
1 year
comments: **Prepares students in a four quarter certificate program to find employment as treatment plant operators.**

LOS ANGELES TRADE & TECHNICAL COLLEGE

400 West Washington Blvd.
Los Angeles, California 90015

Catalog Year
1977-78

contact person:
Mr. Donald Misumi
Chairperson
(213) 746-0800

program title: **Water Systems Technology**
department: **Science and Mathematics**
degree: **2 year**

LOUISIANA STATE UNIVERSITY

Baton Rouge, Louisiana 70803

Catalog Year
1977-78

contact person:
Dr. Ara Arman, Professor & Chairperson
Department of Civil Engineering
(504) 388-8442

program title: **Civil Engineering**
emphasis: **Water Quality**
department: **Civil Engineering**
degree: **4 year**
Graduate

LOUISIANA TECH UNIVERSITY

P.O. Box 4874 Tech Station
Ruston, Louisiana 71270

Catalog Year
1977-78

contact person:
Dr. Joe R. Wilson, Professor
Head of the Department
(318) 257-0211

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

LOYOLA MARYMOUNT UNIVERSITY

Loyola Blvd. at West 80th St.
Los Angeles, California 90045

Catalog Year
1975-76

contact person:
Dr. Michael Mulvihill
Chairperson
(213) 642-2700

program title: **Civil Engineering & Environmental Science**
department: **Civil Engineering & Environmental Science**
degree: **4 year**
Graduate

MACOMB COUNTY COMMUNITY COLLEGE

14500 Twelve Mile Road
South Campus
Warren, Michigan 48089

Catalog Year
1977-78

contact person:
Mr. Robert F. Dueweke
Apprentice Coordinator
(313) 770-7000

* program title: **Civil Technology**
emphasis: **Sanitation**
department: **Occupational Program**
degree: **Certificate**
2 year

MANHATTAN COLLEGE

Bronx, New York 10471

Catalog Year
1976-77

contact person:
Dr. William A. Brown
Chairperson of Department
(212) 548-1400

program title: **Civil Engineering Program - Discipline in Environmental Engineering**
emphasis: **Water/Wastewater**
department: **Civil Engineering**
degree: **4 year**

MANHATTAN COLLEGE

Bronx, New York 10471

Catalog Year
1976-78

contact person:
Dr. John S. Jeris
Director
(212) 548-1400 Ext. 276

program title: **Environmental Engineering & Science**
emphasis: **Water quality and resources; and water and wastewater treatment**
department: **Civil Engineering**
degree: **Graduate**

MANKATO STATE UNIVERSITY

Mankato, Minnesota 56001

Catalog Year
1977-78

contact person:
Dr. Henry W. Quade, Professor
Biology
(507) 389-2463

program title: **Water Quality & Pollution Control Technology**
department: **Biological Sciences**
degree: **2 year**

MARQUETTE UNIVERSITY

1515 West Wisconsin Avenue
Milwaukee, Wisconsin 53233

Catalog Year
1975-77

contact person:
Dr. Al Zanoni, Professor
Civil Engineering Department
(414) 224-7030

program title: **Environmental Engineering**
department **Civil Engineering**
degree: **4 year**
Graduate

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Dept. of Civil Engineering
MIT
Cambridge, Massachusetts 02139

Catalog Year
1977-78

contact person:
Dr. Frank E. Perkins
Head
(617) 253-2214

program title: **Water Resources and Environmental Engineering**
emphasis: **Hydrodynamics & Coastal Engineering, Hydrology & Water Resource Systems, Water Quality Control & Ecological Analysis, Environmental Management**
department: **Civil Engineering**
degree: **4 year**
Graduate

MIAMI-DADE COMMUNITY COLLEGE

South Campus
11011 S. W. 104th St.
Miami, Florida 33176

Catalog Year
1977-79

contact person:
Mr. John Pistorino, Chairperson
Department of Engineering
(305) 596-1225

program title: **Civil Engineering Technology - Environmental Option**
emphasis: **Water and wastewater treatment processes**
department: **Engineering**
degree: **2 year**

MICHIGAN TECHNOLOGICAL UNIVERSITY

Civil - Geology Building
Room 110
Houghton, Michigan 49931

Catalog Year
1978

contact person:
Dr. George K. Wadlin, Head
Department of Civil Engineering
(906) 487-2520

program title: **Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

MILWAUKEE AREA TECHNICAL COLLEGE

1015 N. Sixth Street
Milwaukee, Wisconsin 53203

Catalog Year
1975-77

contact person:
Dr. Donald G. Schwarz, Dean
Agribusiness Division
(414) 278-6600

program title: **Water & Wastewater Technology**
department: **Service & Health Occupations Division**
degree: **2 year**

MISSISSIPPI STATE UNIVERSITY

Drawer DE
Mississippi State, Mississippi 39762

Catalog Year
1978-79

contact person:
Dr. R. M. Scholtes, Head
Department of Civil Engineering
(601) 325-4434

program title: **Civil Engineering**
emphasis: **Water quality management, wastewater management**
department: **Civil Engineering**
degree: **4 year**
Graduate

MODESTO JUNIOR COLLEGE

College Avenue
Modesto, California 95350

Catalog Year
1978-79

contact person:
Mr. Leroy A. Holmes, Division Chairperson
Engineering, Mathematics & Physical Sciences
(209) 526-2000

program title: **Engineering Technology**
department: **Engineering, Mathematics and Physical Sciences**
degree: **2 year**

MOHAWK VALLEY COMMUNITY COLLEGE

1101 Sherman Drive
Utica, New York 13501

Catalog Year
1977-80

contact person:
Dr. William R. Pulhamus
Associate Dean
(914) 471-4500

program title: **Science Laboratory Technology - Environmental Electives**
emphasis: **Career programs, Water Supply, Wastewater (train technicians to perform chemical and biological tests - Environmental labs)**
department: **Mathematics and Science Department**
degree: **2 year**

MONROE COMMUNITY COLLEGE
(STATE UNIVERSITY OF NEW YORK)

10009 Henrietta Road
Rochester, New York 14623

Catalog Year
1977-78

contact person:
Dr. Steven J. Lesko Jr. , Chairperson
Civil Technology
(716) 442-9950

program title: **Civil Technology - Environmental Control**
emphasis: **Design, Construction and Operation of Public Works, including Water Treatment and Wastewater Treatment Plants, Water Distribution System**
department: **Division of Engineering Technologies**
degree: **2 year**

MONTANA STATE UNIVERSITY

Bozeman, Montana 59715

Catalog Year
1976-78

contact person:
Dr. Theodore T. Williams, Head
Professor of Civil Engineering and Engineering Mechanics
(406) 994-0211

program title: **Civil Engineering**
department: **Civil Engineering and Engineering Mechanics**
degree: **4 year**
Graduate

MORAINE PARK TECHNICAL INSTITUTE

235 N. National Avenue
Fond du Lac, Wisconsin 54935

Catalog Year
1976-78

contact person:
Mr. Wayne Koene, Chairperson
Agri-Biotechnology Division
(414) 922-8611

program title: **Water & Wastewater Treatment Technician**
emphasis: **Municipal & industrial application**
department: **Agri-Biotechnology Division**
degree: **2 year**

MUSKINGUM AREA TECHNICAL COLLEGE

1555 Newark Road
Zanesville, Ohio 43701

Catalog Year
1978

contact person:
Mr. Charles M. Woolf, Division Chairperson
Engineering & Science
(614) 454-2501

program title: **Environmental Quality Control Technology**
emphasis: **Air or Water**
department: **Division of Engineering & Science**
degree: **2 year**

NEW HAMPSHIRE VOCATIONAL TECHNICAL COLLEGE

Milan Road
Berlin, New Hampshire 03750

Catalog Year
1978

contact person:
Dr. Joseph J. Cabaup, Associate Professor
Natural Resources Management
(603) 752-1113

program title: **Natural Resources Management**
emphasis: **Includes wastewater, water supply, land planning**
department: **Natural Resources Management**
degree: **2 year**

NEW MEXICO STATE UNIVERSITY

Las Cruces, New Mexico 88001 Catalog Year
1977-78

contact person:
Dr. Samuel P. Maggard , Department Head
Civil Engineering
(505) 646-2035

program title: **Civil Engineering (Environmental Option)**
department: **Civil Engineering**
degree: **4 year**

NEW MEXICO STATE UNIVERSITY

Las Cruces, New Mexico 88001 Catalog Year
1977-78

contact person:
Dr. Alex A. Sanchez
Director
(505) 646-2035

program title: **Water Utility Operation**
department: **Dona Ana County Occupational Education Branch**
degree: **2 year**

NORTH CAROLINA STATE UNIVERSITY

Raleigh, North Carolina 27607

Catalog Year
1976-78

contact person:
Dr. N. S. Grigg, Director
Water Resources Research Institute
(919) 737-2815

program title: **Water Resources**
department: **Interdepartmental**
degree: **Graduate**

NORTH DAKOTA STATE UNIVERSITY

Fargo, North Dakota 58102

Catalog Year
1976-78

contact person:
Dr. James Jorgenson, Professor & Chairperson
Civil Engineering
(701) 237-8011

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

NORTH SHORE COMMUNITY COLLEGE

3 Essex Street
Beverly, Massachusetts 01915

Catalog Year
1977-78

contact person:
Dr. Bertam L. Blumenbranz, Chairperson
Division of Science & Mathematics
(617) 927-4850

program title: **Conservation Technology**
emphasis: **Natural Resource Conservation with special emphasis on water, wastewater and wet lands management**
department: **Essex Agricultural and Technical Institute**
degree: **2 year**

NORTHERN MONTANA COLLEGE

Havre, Montana 59501

Catalog Year
1976-78

contact person:
Dr. Martha Dow
Director
(406) 265-7821

program title: **Water and Wastewater treatment**
department: **Environmental Health Technology**
degree: **Certificate**
2 year
comments: **A broad based program in Science, Math and general education while incorporating the specific study topics for water and wastewater training.**

NORWICH UNIVERSITY/VERMONT COLLEGE

Northfield, Vermont 05663

Catalog Year
1976-77

contact person:
Dr. Charles Elwood Chevalier, Head
Engineering & Technology
(802) 485-5011

program title: **Civil Engineering**
emphasis: **Water supply and sanitary systems**
department: **Department of Engineering & Technology**
degree: **4 year**

OHIO STATE UNIVERSITY

470 Hitchcock Hall
Columbus, Ohio 43210

Catalog Year
1976-77

contact person:
Dr. Otis J. Sproul, Chairperson
Department of Civil Engineering
(614) 422-2771

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

OKLAHOMA STATE UNIVERSITY

Stillwater, Oklahoma 74074

Catalog Year
1976-77

contact person:
Dr. James V. Parcher
Professor and Head
(405) 624-5000

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

ORANGE COAST COLLEGE

2701 Fairview Road
Costa Mesa, California 92626

Catalog Year
1977-78

contact person:
Dr. Bill J. Abernathy
Chairperson
(714) 556-5651

program title: **Water Technology (Water Pollution Abatement)**
department: **Division of Technology**
degree: **Certificate**
2 year
comments: **Designed to train personnel to test water after treatment.**

ORANGE COAST COLLEGE

2701 Fairview Road
Costa Mesa, California 92626

Catalog Year
1977-78

contact person:
Dr. Bill J. Abernathy
Chairperson
(714) 556-5651

program title: **Civil Technology**
department: **Division of Technology**
degree: **Certificate**
2 year

ORANGE COAST COLLEGE

2701 Fairview Road
Costa Mesa, California 92626

Catalog Year
1977-78

contact person:
Dr. Bill J. Abernathy
Chairperson
(714) 556-5651

program title: **Water Technology**
department: **Division of Technology**
degree: **Certificate**
comments: **To train personnel in operation and maintenance of wastewater treatment and wastewater reclamation plants.**

OREGON INSTITUTE OF TECHNOLOGY

Oretech Post Office
Klamath Falls, Oregon 97601

Catalog Year
1977-78

contact person:
Dr. Leroy H. Fisk
Curriculum Coordinator
(503) 882-6321

program title: **Water Quality Control**
department: **Division of Allied Health Technologies**
degree: **2 year**
comments: **Areas of specialization include: Aquatic Biological Technician; Environmental Sanitation Technician; Wastewater Laboratory Technician; Water Quality Control Technician.**

OREGON STATE UNIVERSITY

Corvallis, Oregon 97331

Catalog Year
1977-78

contact person:
Dr. Frank D. Schaumburg, Department Head
Civil Engineering
(503) 745-0123

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

PALM BEACH JUNIOR COLLEGE

400 Congress Avenue
Lake Worth, Florida 33461

Catalog Year
1976-77

contact person:
Mr. Douglas H. Sammons, Jr., Chairperson
Department of Biology
(305) 965-8000

* program title: **Water and Wastewater Technology**
department: **Biology**
degree: **2 year**

PASCO-HERNANDO COMMUNITY COLLEGE

West Campus
7025 State Road 587
Bew Port Richey, Florida 33552

Catalog Year
1978

contact person:
Ms. W. Carolyn Allen
Assistant Dean
(813) 847-2727

program title: **Water and Wastewater Training**
department: **Vocational/Technical Development Programs**
degree: **Certificate**

PENNSYLVANIA STATE UNIVERSITY

Capitol Campus - An Upper Division and Graduate Center
Middletown, Pennsylvania 17057

Catalog Year
1977-78

contact person:
Dr. William A. Welsh, Jr.
Program Chairman
(717) 787-1613

program title: **Water Resources Engineering Technology Program**
emphasis: **Design & operation of water & wastewater treatment plants and design of collection & distribution**
department: **Civil Engineering Technology**
degree: **4 year**

PENSACOLA JUNIOR COLLEGE

Rt. 8, Box 670 G
Pensacola, Florida 32505

Catalog Year
1978

contact person:
Mr. John E. Taylor
Operations Supervisor
(904) 434-2501

program title: **Water & Wastewater Operators Training Program**
emphasis: **Water and Wastewater Training**
degree: **Certificate**

PHOENIX COLLEGE

1202 West Thomas
Phoenix, Arizona 85013

Catalog Year
1975-77

contact person:
Dr. Robert F. Noll
Chairperson
(602) 264-2492

* program title: **Water Treatment Technology**
department: **Technology**
degree: **Certificate**

PIKES PEAK COMMUNITY COLLEGE

5675 South Academy Blvd.
Colorado Springs, Colorado 80906

Catalog Year
1978-79

contact person:
Mr. James E. Maffett, Division Director
Science and Math
(303) 576-7711

program title: **Environmental Science**
department: **Division of Science and Math**
degree: **2 year**

PINELLAS VOCATIONAL TECHNICAL INSTITUTE

6100 - 154 Avenue North
Clearwater, Florida 33520

Catalog Year
1978

contact person:
Mr. Eugene Ehrlich
Professor
(813) 531-3531

* program title: **Water and Wastewater Training**
degree: **Certificate**

POLK COMMUNITY COLLEGE

999 Avenue H, N.E.
Winter Haven, Florida 33880

Catalog Year
1978

contact person:
Mr. B. Swinford, Director
Community Services
(813) 294-7771

program title: **Water and wastewater treatment**
degree: **Certificate**

PRINCETON UNIVERSITY

Princeton, New Jersey 08540

Catalog Year
1977-78

contact person:
Dr. Ahmet S. Cakmak, Chairperson
Civil Engineering
(609) 452-3000

program title: Water Resources
emphasis: Interdisciplinary
department: Department of Civil Engineering & Geological & Geophysical Sciences & Chemical Engineering
degree: Graduate

RICE UNIVERSITY

P.O. Box 1892
Houston, Texas 77001

Catalog Year
1977-78

contact person:
Dr. Calvin H. Ward
Chairman of the Department
(713) 527-8101

program title: Environmental Science & Engineering
emphasis: Water/Wastewater engineering; Water Resource Management; and Applied Water Chemistry
department: Environmental Science & Engineering
degree: 4 year
Graduate

ROCHESTER INSTITUTE OF TECHNOLOGY

One Lomb Drive
Rochester, New York 14623

Catalog Year
1977-78

contact person:
Dr. Robert E. McGrath, Chairperson
Civil Engineering Technology
(716) 475-2183

program title: **Civil Engineering Technology Environmental Option**
emphasis: **Water, Wastewater Treatment**
department: **Civil Engineering Technology**
degree: **4 year**

RUTGERS,
THE STATE UNIVERSITY OF NEW JERSEY

P.O. Box 909
Piscataway, New Jersey 08854

Catalog Year
1978-79

contact person:
Dr. Joel Wiesenfeld
Chairperson
(201) 932-2232

program title: **Civil and Environmental Engineering**
emphasis: **Water & Wastewater Treatment, Water Resource System**
department: **Civil and Environmental Engineering**
degree: **Graduate**

RUTGERS,
THE STATE UNIVERSITY OF NEW JERSEY

B 245 Engineering Building
Busch Campus
New Brunswick, New Jersey 08903

Catalog Year
1977-79

contact person:
Dr. Marvin Leroy Granstrom, Professor
Civil and Environmental Engineering
(201) 932-3682

program title: **Environmental and Water Resources Engineering**
emphasis: **Water and wastewater treatment, water resource systems**
department: **Civil and Environmental Engineering**
degree: **4 year**
Graduate

ST. CLOUD AREA VOCATIONAL TECHNICAL INSTITUTE

1540 Northway Drive
St. Cloud, Minnesota 56301

Catalog Year
1978

contact person:
President
(612) 252-0101

*program title: **Water & Waste Treatment Technology**
degree: **2 year**

SALEM COMMUNITY COLLEGE

P.O. Box 551
Penns Grove, New Jersey 08069

Catalog Year
1975-76

contact person:
Mr. Chester Bacon, Instructor
Chemistry, Biology
(609) 299-2100

program title: **Chemistry**
emphasis: **Water and Wastewater**
department: **Chemistry**
degree: **2 year**
comments: **The Chemistry program is an option to the liberal arts degree program. There is also a 2 year laboratory technology program.**

SAN DIEGO STATE UNIVERSITY

San Diego, California 92182

Catalog Year
1977-78

contact person:
Dr. Howard H. Chang
Chairperson
(714) 286-6070

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

SANTA ANA COLLEGE

17th at Bristol
Santa Ana, California 92706

Catalog Year
1977-78

contact person:
Mr. George Osborne, Dean
Applied Arts and Sciences
(714) 835-3000

program title: **Water Utility Science**
department: **Water Utility Science**
degree: **2 year**

SIERRA COLLEGE

5000 Rocklin Road
Rocklin, California 95677

Catalog Year
1977-78

contact person:
Mr. Frank Strong, Division Chairperson
Special Programs
(916) 624-3333

program title: **Water Technology**
department: **Special Programs**
comments: **No degree or certificate**

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

Rapid City, South Dakota 57701 Catalog Year
1976-78

contact person:
Dr. William V. Coyle, Professor
Head of the Department
(605) 394-2442

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

SOUTH DAKOTA STATE UNIVERSITY

Brookings, South Dakota 57006 Catalog Year
1976-78

contact person:
Dr. Emory Johnson
Head of the Department
(605) 688-4111

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

STATE UNIVERSITY OF NEW YORK
AGRICULTURAL & TECHNICAL COLLEGE
AT COBLESKILL

Cobleskill, New York 12043

Catalog Year
1975-77

contact person:
Mr. Stanley Oppenheim, Professor
Chairperson, General Education
(518) 234-5011

* program title: **Science Laboratory Technology - Environmental Health Concentration**
emphasis: **Training for Environmental Health Technicians and Water and Sewage Treatment Plant Operators**
department: **Division of General Education, also Cooperative Education Program**
degree: **2 year**

STATE UNIVERSITY OF NEW YORK
AGRICULTURAL & TECHNICAL COLLEGE AT DELHI

Delhi, New York 13753

Catalog Year
1974-76

contact person:
Mr. Walter Bray, Assistant Professor
Civil Technology
(607) 746-4111

* program title: **Civil Technology (Water Resources)**
emphasis: **Water resources & Management development**
department: **Division of Engineering Technologies Department of Civil Technology**
degree: **2 year**

STATE UNIVERSITY OF NEW YORK
AGRICULTURE & TECHNICAL COLLEGE AT MORRISVILLE

Morrisville, New York 13408 Catalog Year
1975-76

contact person:
Dr. Donald G. Jones
Chairperson of the Division
(315) 684-7079

program title: **Public Health Technology - Environmental Science**
emphasis: **Water and Wastewater Technician training, Air Pollution**
department: **Engineering Technologies Division**
degree: **2 year**

STATE UNIVERSITY OF NEW YORK AT STONY BROOK

Stony Brook, New York 11794 Catalog Year
1976-78

contact person:
Dr. Stewart Harris, Professor
Mechanical Engineering
(516) 246-5965

program title: **Program in Environmental Engineering**
emphasis: **Engineering Design or Water Resources Management**
department: **Department of Mechanical Engineering**
College of Engineering & Applied Science
degree: **Graduate**

STEVENS INSTITUTE OF TECHNOLOGY

Castle Point Station
Hoboken, New Jersey 07030

Catalog Year
1977-78

contact person:
Dr. Fernando Sistro, Jr.
Head of the Department
(201) 792-2700

program title: **Water and Wastewater Engineering (mini-graduate)**
emphasis: **To educate working professionals at the post-graduate level.**
department: **Mechanical Engineering**
degree: **Certificate**
comments: **Certificate of Special Study awarded.**

SULLIVAN COUNTY COMMUNITY COLLEGE

Loch Sheldrake, New York 12759

Catalog Year
1976-77

contact person:
Mr. David A. Wahlstrom, Chairperson
Division of Civil Technology
(914) 434-5750

* program title: **Civil Technology**
emphasis: **Water & Wastewater Engineering**
Electives in Environmental Engineering
department: **Civil Technology**
degree: **2 year**

TENNESSEE OPERATOR'S TRAINING SCHOOL

Blanton Drive, Route 4
Murfreesboro, Tennessee 37130

Catalog Year
1977

contact person:
Mr. Jack Hughes
Director of the School
(615) 898-2737

program title: **Water and Wastewater Treatment**
degree: **Certificate**

TENNESSEE STATE UNIVERSITY

3500 Centennial Boulevard
Nashville, Tennessee 37203

Catalog Year
1976-79

contact person:
Dr. Mohammed H. Baluch, Chairperson
Department of Civil Engineering
(615) 320-3131

program title: **Undesignated**
department: **Civil Engineering**
degree: **4 year**

TENNESSEE TECHNOLOGICAL UNIVERSITY

Cookeville, Tennessee 38501

Catalog Year
1976-77

contact person:
Dr. Rafael B. Bustamante, Professor
Civil Engineering and Chairperson of the department
(615) 528-3454

program title: **Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

TEXAS ENGINEERING EXTENSION SERVICE

Texas A & M University System
Water Wastewater Training Division
F.E. Drawer K, Texas A & M
College Station, Texas 77843

Catalog Year
1977

contact person:
Mr. Leon R. Hobert
Head
(713) 779-3880 Ext. 246

program title: **Water and Wastewater Training**
department: **Water and Wastewater Training Division**
degree: **Certificate**
comments: **Purpose of this division is to provide comprehensive training for Water/Wastewater personnel across the state.**

TEXAS STATE TECHNICAL INSTITUTE

Waco, Texas 76705

Catalog Year
1977-79

contact person:
Dr. John K. Bird, Chairperson
Water/Wastewater Technology Program
(817) 799-3611

program title: **Water and Wastewater Technology**
department: **Technical Career Fields**
degree: **2 year**

TEXAS STATE TECHNICAL INSTITUTE

Waco, Texas 76705

Catalog Year
1977-79

contact person:
Dr. John K. Bird, Chairperson
Water Utility Program
(817) 799-3611

program title: **Water Utility Operator**
department: **Skill Development Career Fields**
degree: **Certificate**

TEXAS TECH UNIVERSITY

Lubbock, Texas 79409

Catalog Year
1977-78

contact person:
Dr. Ernst Willis Kiesling
Professor and Chairperson
(806) 742-3523

program title: **Civil Engineering**
emphasis: **Environmental Pollution Control; Hydraulics and Hydrology Engineering and Design of structures.**
department: **Civil Engineering**
degree: **4 year**
Graduate

TOMKINS CORTLAND COMMUNITY COLLEGE

Dryden, New York 13053

Catalog Year
1976-77

contact person:
Mr. Gene Donohue, Assistant Professor
Vocational Transfer Counselor
(607) 844-8211

* program title: **Environmental Science (Public Health Technology)**
emphasis: **Waste Water Utility Management or a Potable Water Treatment**
department: **2 semesters at Tompkins Cortland C.C.**
degree: **1 year**
2 year

TUFTS UNIVERSITY

Medford, Massachusetts 02155 Catalog Year
1977-78

contact person:
Dr. Bruce Hanes, Professor
Chairperson of Civil Engineering
(617) 628-5000 ext. 442

* program title: **Environmental Studies Program**
department: **Civil Engineering**
degree: **4 year**

TUFTS UNIVERSITY

Medford, Massachusetts 02155 Catalog Year
1977-78

contact person:
Dr. N. Bruce Hanes
Chairperson
(617) 628-5000 Ext. 442

program title: **Environmental Health Engineering**
emphasis: **Environmental aspects of engineering or public health**
department: **Civil Engineering**
degree: **4 year**
Graduate

TULANE UNIVERSITY

New Orleans, Louisiana 70118

Catalog Year
1977-78

contact person:
Dr. Walter E. Blessey, Professor & Chairperson
Civil Engineering
(504) 865-4011

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF ALASKA

Fairbanks, Alaska 99701

Catalog Year
1977-78

contact person:
Dr. John L. Burdick
Department Head and Professor
(907) 479-7211

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate
comments: **Hydrology emphasis noted in course descriptions.**

UNIVERSITY OF ARIZONA

Tucson, Arizona 85721

Catalog Year
1977-79

contact person:
Dr. Quentin M. Mees
Department Head
(602) 884-2751

* program title: **Civil Engineering**
department: **Civil Engineering & Engineering Mechanics**
degree: **4 year**
Graduate

UNIVERSITY OF ARKANSAS

Fayetteville, Arkansas 72701

Catalog Year
1977-78

contact person:
Dr. E. Walter Lefevre
Head of the Department
(501) 575-4954

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF CALIFORNIA AT BERKELEY

Berkeley, California 94720

Catalog Year
1977-78

contact person:
Dr. Carl L. Monismith
Chairperson
(415) 642-6000

program title: **Hydraulic & Sanitary Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF CALIFORNIA AT DAVIS

Davis, California 95616

Catalog Year
1976-77

contact person:
Dr. Edward D. Schroder,
Chairperson of the Department
(916) 752-1011

program title: **Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**
comments: **Program includes air, water and land quality components.**

UNIVERSITY OF CALIFORNIA AT IRVINE

Irvine, California 92664

Catalog Year
1977-78

contact person:
Dr. Scott G. Samuelson, Associate Professor
Mechanical and Environmental Engineering
(714) 833-5011

* program title: **Mechanical and Environmental Engineering**
department: **Mechanical Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF CALIFORNIA AT IRVINE

Irvine, California 92664

Catalog Year
1977-78

contact person:
Dr. Jan Scherfig, Professor
Civil and Environmental Engineering
(714) 833-5011

* program title: **Civil and Environmental Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF COLORADO

Boulder, Colorado 80309

Catalog Year
1977-78

contact person:
Dr. George C. Goble
Chairperson and Professor
(303) 492-7315

program title: **Water Resources and Environmental Engineering**
department: **Civil Environmental and Architectural Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF CONNECTICUT

Room 334, Fl. Castleman Bldg.
Storrs, Connecticut 06268

Catalog Year
1978-79

contact person:
Dr. Richard P. Long
Head of Department
(203) 486-2000

program title: **Environmental and Water Resources Engineering**
department: **Civil Engineering**
degree: **4 year**

UNIVERSITY OF FLORIDA

Department of Civil Engineering
Gainesville, Florida 32611

Catalog Year
1977-78

contact person:
Dr. J. H. Schaub, Chairperson
Department of Civil Engineering
(904) 392-0933

program title: **Undesignated**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF HAWAII AT MANOA

Honolulu, Hawaii 96822

Catalog Year
1977-79

contact person:
Dr. Arthur N. Chiu
Professor of Engineering
(808) 948-7837

program title: **Civil Engineering**
emphasis: **With the assistance of a faculty advisor, the student can pursue a flexible program designed to meet individual needs and interests.**
department: **Civil Engineering**
degree: **4 year**
comments: **Also offers courses in solid waste management.**

UNIVERSITY OF HOUSTON

4800 Calhoun
Houston, Texas 77004

Catalog Year
1977-78

contact person:
Dr. G. Pincus
Chairperson
(713) 749-1011

program title: Civil Engineering
emphasis: Water supply and treatment; Waste Collection and Treatment, Wastewater/water
department: Civil Engineering
degree: 4 year
Graduate

comments: Urban - Regional planning courses, oceanographic related courses and solid waste collection and conversion courses are offered at the graduate level.

UNIVERSITY OF IDAHO

Moscow, Idaho 83843

Catalog Year
1976

contact person:
Dr. A. T. Wallace
Graduate Coordinator
(208) 885-6782

program title: Civil Engineering
emphasis: Design
department: Civil Engineering
degree: 4 year
Graduate

comments: Also offers one solid waste course.

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Urbana, Illinois 61801

Catalog Year
1976-78

contact person:
Dr. Jon C. Liebman
Head of Department
(217) 333-6966

program title: **Environmental Engineering in Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF IOWA

2216 Engineering Building
Iowa City, Iowa 52242

Catalog Year
1977-78

contact person:
Dr. Richard R. Dague, Chairperson
Environmental Engineering Program
(319) 353-3388

program title: **Environmental Engineering**
department: **Energy Engineering**
degree: **Graduate**

UNIVERSITY OF KANSAS

1039 Learned Hall
Lawrence, Kansas 66045

Catalog Year
1978

contact person:
Dr. Ernest C. Pogge
Department of Civil Engineering
(913) 864-3807

program title: Water Resources, Engineering & Science
department: Interdisciplinary
degree: Graduate

UNIVERSITY OF LOWELL

1 University Ave.
Lowell, Massachusetts 01854

Catalog Year
1976-78

contact person:
Dr. Charles R. Oh
Member of Graduating faculty
(617) 454-7811

* program title: Civil Engineering
emphasis: Groundwater, Waste Treatment
department: Civil Engineering
degree: Graduate

UNIVERSITY OF MAINE

Orono, Maine 04473

Catalog Year
1977-78

contact person:
Dr. Wayne A. Hamilton, Professor
Chairperson
(207) 581-7011

* program title: Civil Engineering - Sanitary Engineering
emphasis: Water Supply, Wastewater
department: Civil Engineering
degree: Graduate

UNIVERSITY OF MASSACHUSETTS AT AMHERST

School of Engineering
Amherst, Massachusetts 01003

Catalog Year
1977-78

contact person:
Dr. Russell C. Jones, Dean
School of Engineering
(413) 545-0300

program title: Environmental Engineering
emphasis: Water supplies, Pollution Control
department: Civil Engineering
degree: Graduate

UNIVERSITY OF MIAMI

University Station
Coral Gables, Florida 33124

Catalog Year
1977-78

contact person:
Dr. Thomas T. C. Hsu, Chairperson
Civil Engineering Department
(305) 284-2211

program title: Civil Engineering with Specialization in Environmental Engineering
department: Civil Engineering
degree: 4 year
Graduate

UNIVERSITY OF MISSOURI AT COLUMBIA

College of Engineering
Columbia, Missouri 65201

Catalog Year
1976-78

contact person:
Dr. John T. O' Connar, Head
Department of Civil Engineering
(314) 882-4375

program title: Sanitary Engineering
department: Civil Engineering
degree: 4 year
Graduate

UNIVERSITY OF MISSOURI AT ROLLA

Rolla, Missouri 65401

Catalog Year
1976-78

contact person:
Dr. J. H. Senne, Chairperson
Department of Civil Engineering
(314) 341-4461

program title: **Environmental & Sanitary Engineering**
department: **Civil Engineering**
degree: **Graduate**

UNIVERSITY OF NEBRASKA

Lincoln, Nebraska 68508

Catalog Year
1977

contact person:
Dr. Edward Wilson, Chairperson
Department of Civil Engineering
(402) 472-2371

program title: **Civil Engineering (undergraduate)**
Sanitary Engineering (Graduate)
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF NEBRASKA

310 Ag. Hall
Lincoln, Nebraska 68508

Catalog Year
1977

contact person:
Dr. Gary L. Lewis, Assistant Director
Nebraska Water Resources Center
(402) 472-3305

program title: Water Resources Engineering
Water Resources Planning & Management
department: Civil Engineering (Engineering)
Interdepartmental (Planning & Management)
degree: Graduate

UNIVERSITY OF NEVADA AT RENO

Reno, Nevada 89557

Catalog Year
1977-78

contact person:
Dr. Bruce M. Douglas, Professor & Chairperson
Civil Engineering
(702) 784-6937

program title: Civil Engineering
emphasis: Water Resources
department: Civil Engineering Department
degree: 4 year
Graduate

UNIVERSITY OF NEW HAMPSHIRE

Durham, New Hampshire 03824

Catalog Year
1975-76

contact person:
Dr. Paul L. Bishop
Chairperson
(603) 862-1428

program title: **Civil Engineering**
emphasis: **Planning, water & wastewater engineering & design; solid wastes**
department: **Civil Engineering**
College of Engineering and Physical Sciences
degree: **4 year**
Graduate

UNIVERSITY OF NEW ORLEANS

Lake Front, New Orleans, Louisiana 70122

Catalog Year
1977-78

contact person:
Dr. Fritz Egbert Dohse, Professor and Dean
School of Engineering
(504) 288-3161

program title: **Civil Engineering Option**
department: **School of Engineering**
degree: **4 year**

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Chapel Hill, North Carolina 27514 Catalog Year
1977

contact person:
Dr. Russell F. Christman, Professor
Department Chairperson
(919) 966-1171

program title: **Water Resources Engineering**
department: **Environmental Sciences and Engineering**
School of Public Health
degree: **Graduate**

UNIVERSITY OF NORTH DAKOTA

Grand Forks, North Dakota 58202 Catalog Year
1976-78

contact person:
Dr. Ronald A. Apanian, Professor & Chairperson
Civil Engineering Department
(701) 777-3562

program title: **Civil Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF RHODE ISLAND

Kingston, Rhode Island 02881 Catalog Year
1977-78

contact person:
Dr. Alexander
Chairperson
(401) 792-2221

*program title: **Marine Affairs**
emphasis: **Coastal Zone Management; Marine Pollution Control**
department: **Department of Geography & Marine Affairs**
degree: **Graduate**

UNIVERSITY OF RHODE ISLAND

Kingston, Rhode Island 02881 Catalog Year
1977-78

contact person:
Dr. Malcom Spaulding
Associate Professor
(401) 792-2537

program title: **Ocean Engineering**
emphasis: **Modeling of pollutant transport in estuarine/coastal waters; oil spill dynamics; estuarine/coastal seas pollution**
department: **Ocean Engineering**
degree: **Graduate**

UNIVERSITY OF SOUTHERN CALIFORNIA

Los Angeles, California 90007

Catalog Year
1976-77

contact person:
Dr. Kenneth Y. Chen
Professor and Director
(213) 741-6221

program title: **Environmental Engineering**
emphasis: **Water supply and water quality control**
department: **Environmental Engineering**
degree: **Graduate**

UNIVERSITY OF TENNESSEE

Knoxville, Tennessee 37916

Catalog Year
1976-77

contact person:
Dr. W. L. Grecco, Head
Civil Engineering Department
(615) 974-2503

program title: **Environmental Engineering**
emphasis: **Water Pollution Control/Water Resources**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, Texas 76010

Catalog Year
1977-78

contact person:
Dr. Noel J. Everard
Professor & Chairperson of the Department
(817) 273-2201

program title: **Civil Engineering**
emphasis: **Water/Wastewater/Air**
department: **Civil Engineering**
degree: **4 year**
Graduate

UNIVERSITY OF TEXAS AT AUSTIN

Austin, Texas 78712

Catalog Year
1977-78

contact person:
Dr. Hudson Matlock
Professor & Chairperson of the Department
(512) 471-1233

program title: **Environmental Health Engineering**
department: **Civil Engineering**
degree: **4 year**
Graduate

comments: **A program for students interested in evaluating environmental quality and instituting engineering pollution controls.**

UNIVERSITY OF WISCONSIN AT MADISON

1975 Willow Drive
Madison, Wisconsin 53706

Catalog Year
1975

contact person:
Dr. Chesters Gordon, Director
Water Resources Center
Water Chemistry Executive Committee
Chairperson
(608) 262-3577

program title: Water Chemistry, Water Resources Research, Soils
emphasis: Water Chemistry Research, Soils & Bacteriology, Environmental Research
department: Water Resources Center, Soil Sciences
degree: Graduate

UTAH STATE UNIVERSITY

Logan, Utah 84322

Catalog Year
1977-79

contact person:
Dr. E. Joe Middlebrooks, Dean
College of Engineering
(801) 752-4100

program title: Civil and Environmental Engineering
emphasis: Fluid mechanics; soil mechanic; water resources; hydrology; hydraulics; structures; and water quality.
department: Civil and Environmental Engineering
degree: 4 year
Graduate

VANDERBILT UNIVERSITY

Nashville, Tennessee 37240

Catalog Year
1977-78

contact person:
Dr. Karl B. Schnelle, Jr., Chairperson
Department of Environmental Engineering
& Policy Management
(615) 322-4757

program title: **Environmental and Water Resources Engineering/Environmental Science (Water and Wastewater Treatment/ Water Resources)**
department: **Environmental Engineering & Policy Management**
degree: **4 year**
Graduate

VENTURA COLLEGE

4667 Telegraph Road
Ventura, California 93003

Catalog Year
1977-78

contact person:
Mr. John L. Smithson, Division Director
Technology
(805) 642-3211

program title: **Water Science**
department: **Water Science**
degree: **Certificate**

VERMILION COMMUNITY COLLEGE

1900 East Camp Street
Ely, Minnesota 55731

Catalog Year
1976-78

contact person:
Mr. Steven Kleist
Director/Instructor
(218) 365-3256

program title: **Water & Wastewater Technology**
emphasis: **Water/Wastewater, Hydrology**
department: **Technical Program**
degree: **2 year**

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Blacksburg, Virginia 24061

Catalog Year
1978-79

contact person:
Dr. Paul H. King
Department of Civil Engineering
(703) 961-6131

program title: **Sanitary Engineering**
Environmental Sciences
emphasis: **Water Quality Control**
department: **Civil Engineering**
degree: **4 year**
Graduate

WASHINGTON HOLMES AREA
VOCATIONAL TECHNICAL CENTER

Route 4, Box 177A
Graceville, Florida 32440

Catalog Year
1978

contact person:
Dr. H. H. Galerneau
Assistant Director
(904) 638-1180

program title: **Water & Wastewater Treatment Plant Operator**
emphasis: **Water and Wastewater Treatment**
department: **Public Service**
degree: **Certificate**

WASHINGTON STATE UNIVERSITY

Pullman, Washington 99164

Catalog Year
1976-77

contact person:
Dr. S. K. Bhagat, Head
Environmental Section
(509) 335-3175

program title: **Environmental Engineering**
department: **Civil and Environmental Engineering**
degree: **4 year**
Graduate

WATER & WASTEWATER TECHNICAL SCHOOL

Box 370
Neosho, Missouri 64850

Catalog Year
1976-78

contact person:
Dr. Ronald F. Layton, President
Water & Wastewater Technical School
(417) 451-2786

program title: **Water & Wastewater Technical School**
degree: **1 year**

WAYNE STATE UNIVERSITY

Detroit, Michigan 48202

Catalog Year
1975-77

contact person:
Dr. J. H. Lamb, Jr., Chairperson
Civil Engineering
(313) 577-2424

program title: **Environmental Water Resources**
department: **Civil Engineering**
degree: **Graduate**

WENTWORTH COLLEGE OF TECHNOLOGY

550 Huntington Ave.
Boston, Massachusetts 02115

Catalog Year
1975-76

contact person:
Dr. Henry R. Poydar, Head
Civil Engineering Technology Department
(617) 442-9010

* program title: **Civil Engineering Technology - Environmental option**
emphasis: **Water/Wastewater**
department: **Civil Engineering Technology**
degree: **4 year**

WEST GEORGIA COLLEGE

Carrollton, Georgia 30117

Catalog Year
1977

contact person:
Mr. James W. Bennett
Coordinator of the Institute
(404) 834-1468

program title: **Continuing Education for Water and Wastewater Treatment Plant Operators**
department: **Georgia Water and Wastewater Institute**
degree: **Certificate**

WITHLOCOOCHEE VOCATIONAL TECHNICAL CENTER

1607 West Main Street
Inverness, Florida 32650

Catalog Year
1978

contact person:
Mr. Steven S. Kinard
Coordinator
(904) 726-2430

* program title: **Water and wastewater treatment**
emphasis: **Water and wastewater treatment**
degree: **Certificate**

WORCESTER POLYTECHNIC INSTITUTE

Worcester, Massachusetts 01609

Catalog Year
1976-77

contact person:
Dr. Armand J. Silva, Head
Civil Engineering Department
(617) 753-1411

* program title: **Sanitary/Water Resources Engineering Environmental Planning Program**
emphasis: **Water & Wastewater Treatment, Water Resources Management (Sanitary/Water Resources Engineering) Resource evaluation, Impact Analysis, Site Design and Environmental Management**
department: **Civil Engineering**
degree: **Graduate**

WORCESTER POLYTECHNIC INSTITUTE

Worcester, Massachusetts 01609

Catalog Year
1976-77

contact person:
Dr. A. J. Silva, Professor
Head of the Department
(617) 753-1411

* program title: **Environmental Control**
emphasis: **Water-Wastewater**
department: **Civil Engineering**
degree: **4 year**

WYTHEVILLE COMMUNITY COLLEGE

1000 E. Main St.
Wytheville, Virginia 24382

Catalog Year
1978-79

contact person:
Mr. Gary T. Laing, Chairperson
Division of Engineering in Technology/ Mathematics
(703) 228-5541

program title: **Environmental Control Operator Diploma**
emphasis: **Sanitary Aide; Wastewater Plant Operator, pH Engineer Aids; Industrial Waste Technology; Water Plant Operator; Environmental Planner**
department: **Division of Engineering Technologies/ Mathematics**
degree: **2 year**

WYTHEVILLE COMMUNITY COLLEGE

1000 E. Main St.
Wytheville, Virginia 24382

Catalog Year
1978-79

contact person:
Mr. Gary T. Laing, Associate Professor
Chairperson, Division of Engineering Technology/Mathematics
(703) 228-5541

program title: **Environmental Control Operator Certificate**
emphasis: **Water or Wastewater Plant Operator; Public Health Aide; Sanitation Aide; Environmental Planner**
department: **Division of Engineering Technologies/ Mathematics**
degree: **Certificate**
1 year

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